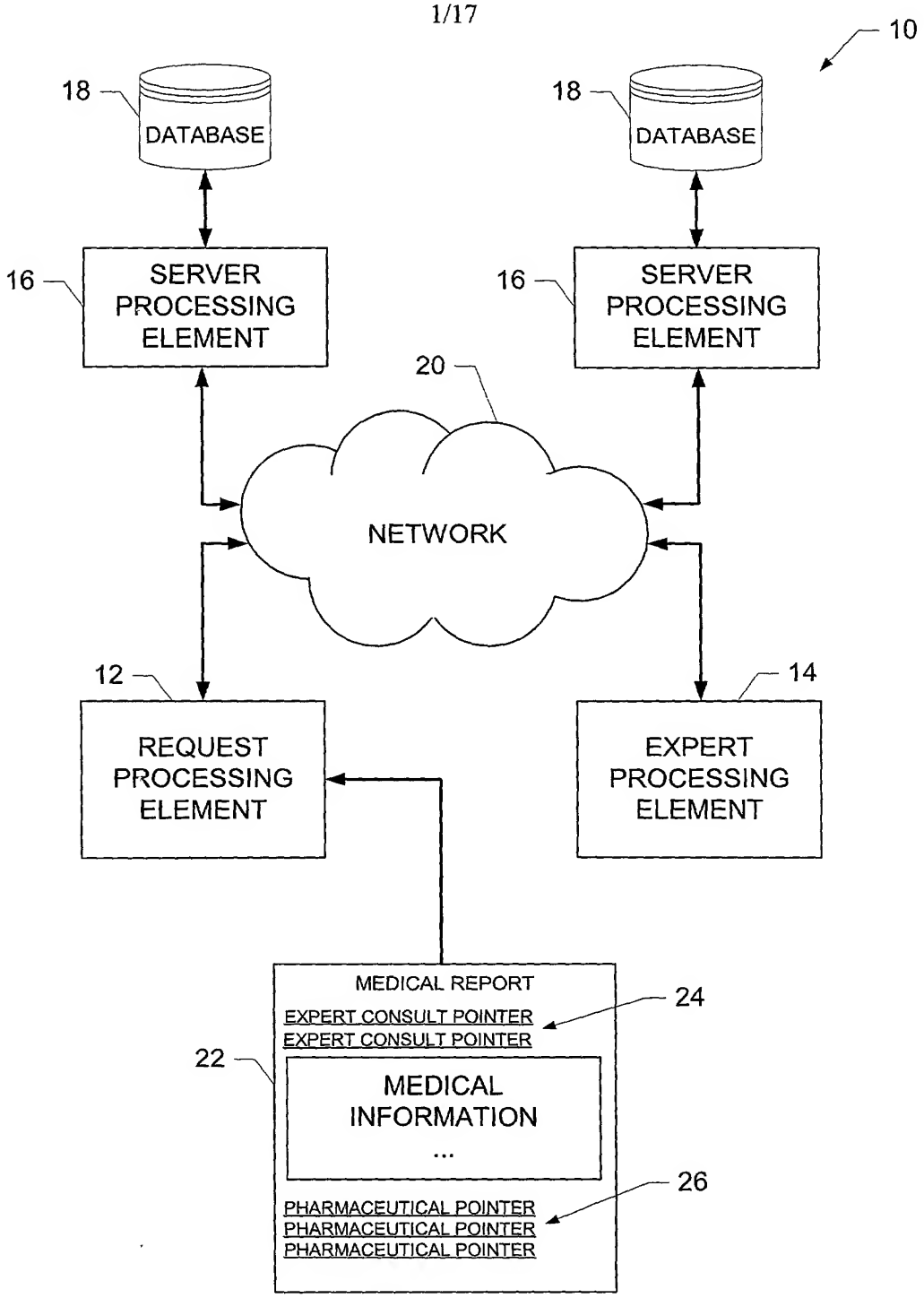

FIG. 1.

10064725 - 021402

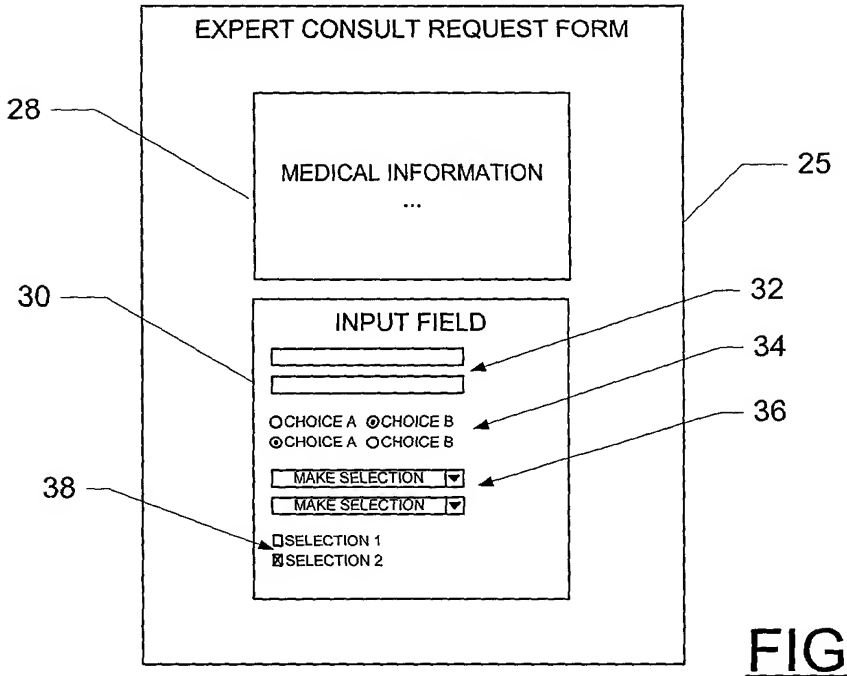
EXPERT CONSULT REQUEST FORM
28
MEDICAL INFORMATION
...
25
30
INPUT FIELD
32
34
36
CHOICE A CHOICE B
CHOICE A CHOICE B
38
MAKE SELECTION
MAKE SELECTION
SELECTION 1
SELECTION 2

FIG. 2.

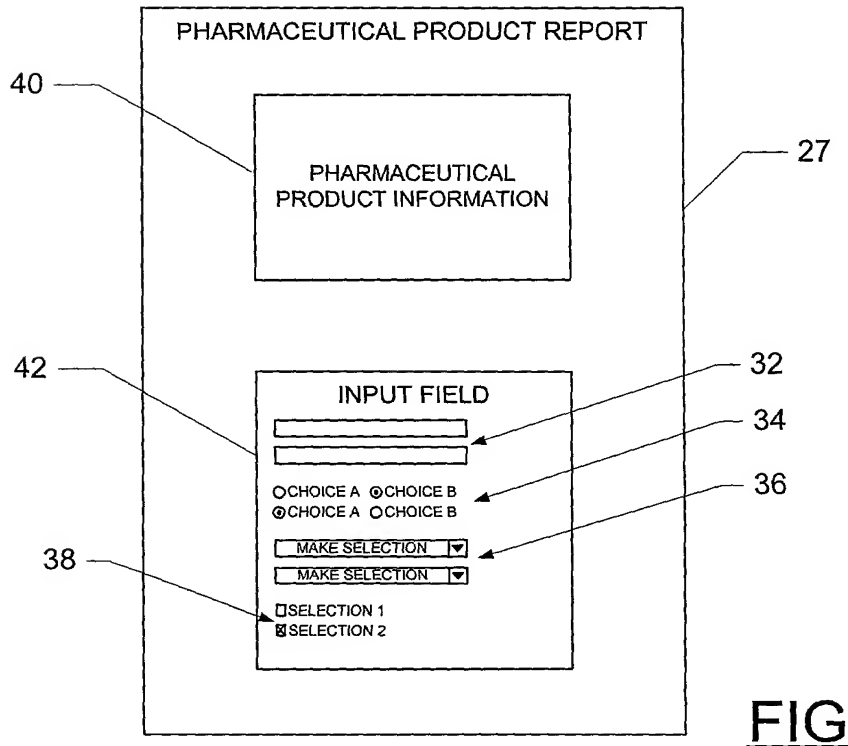
PHARMACEUTICAL PRODUCT REPORT
40
PHARMACEUTICAL PRODUCT INFORMATION
27
42
INPUT FIELD
32
34
36
CHOICE A CHOICE B
CHOICE A CHOICE B
38
MAKE SELECTION
MAKE SELECTION
SELECTION 1
SELECTION 2

FIG. 3.

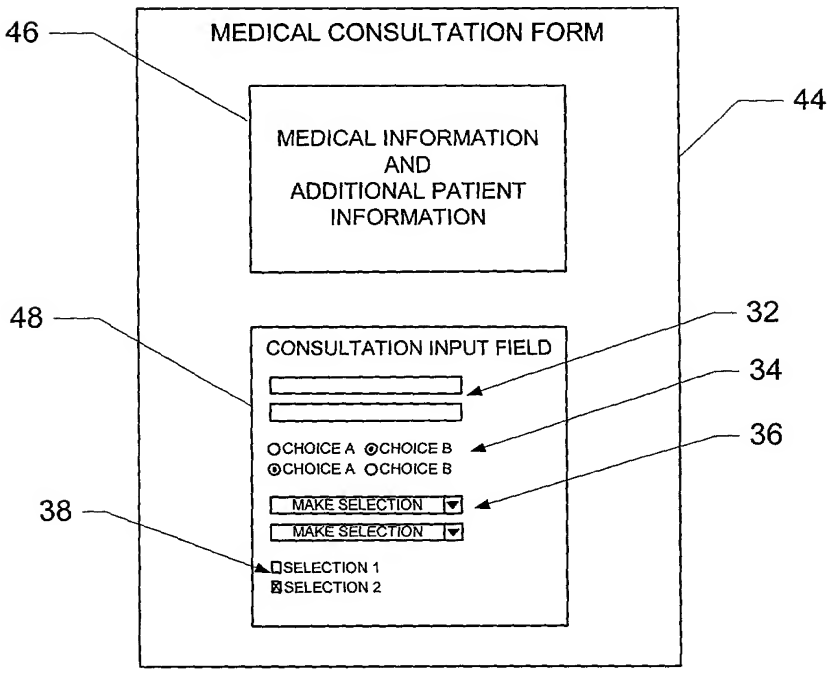

FIG. 4.

4004725 v1 34702/214150

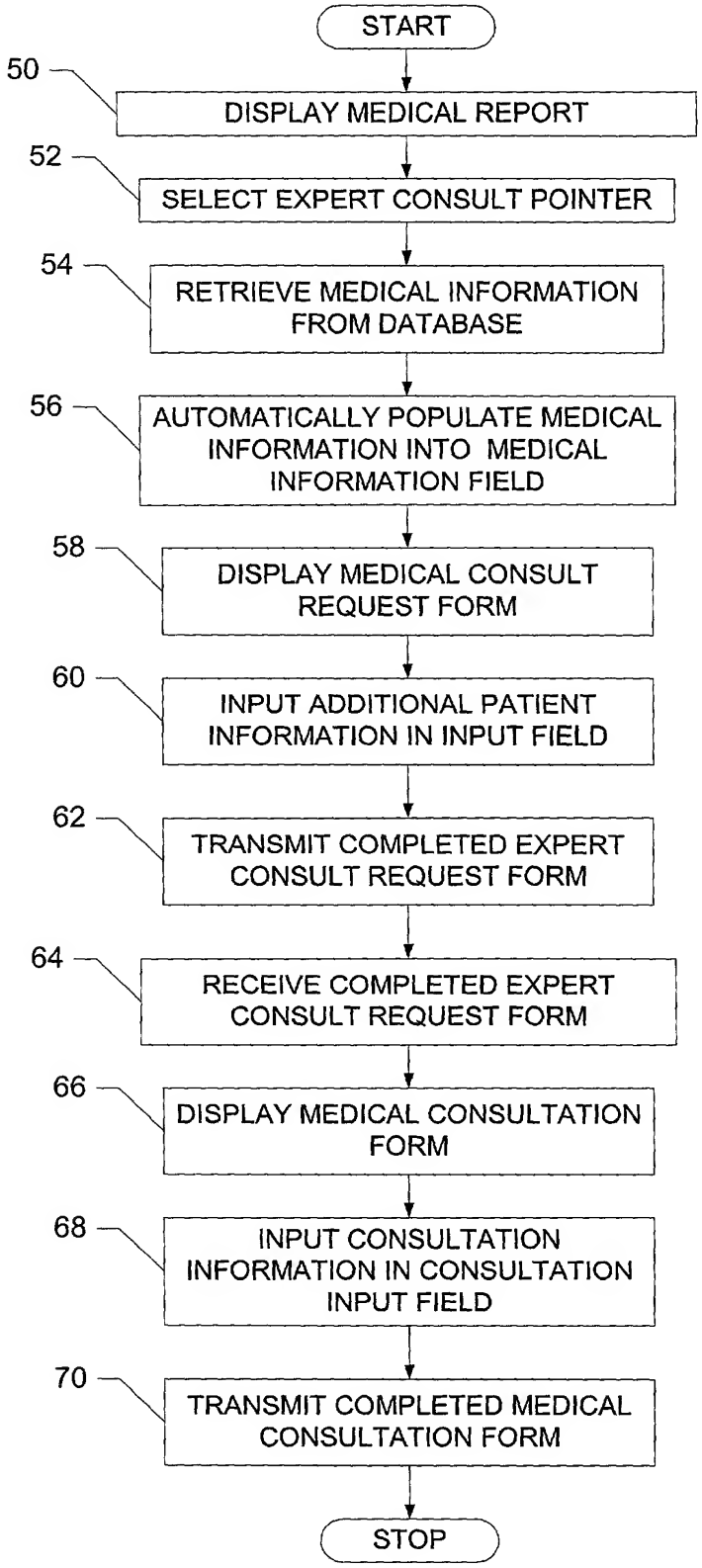

FIG. 5.

10045725 - 041408

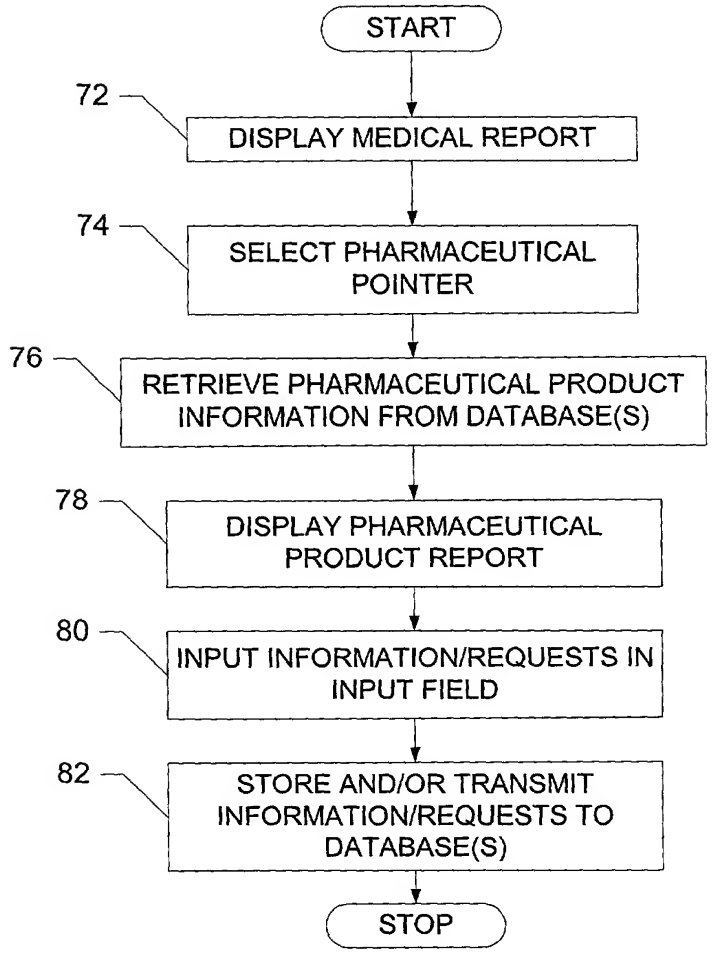
START
72
DISPLAY MEDICAL REPORT
74
SELECT PHARMACEUTICAL POINTER
76
RETRIEVE PHARMACEUTICAL PRODUCT INFORMATION FROM DATABASE(S)
78
DISPLAY PHARMACEUTICAL PRODUCT REPORT
80
INPUT INFORMATION/REQUESTS IN INPUT FIELD
82
STORE AND/OR TRANSMIT INFORMATION/REQUESTS TO DATABASE(S)
STOP

FIG. 6.

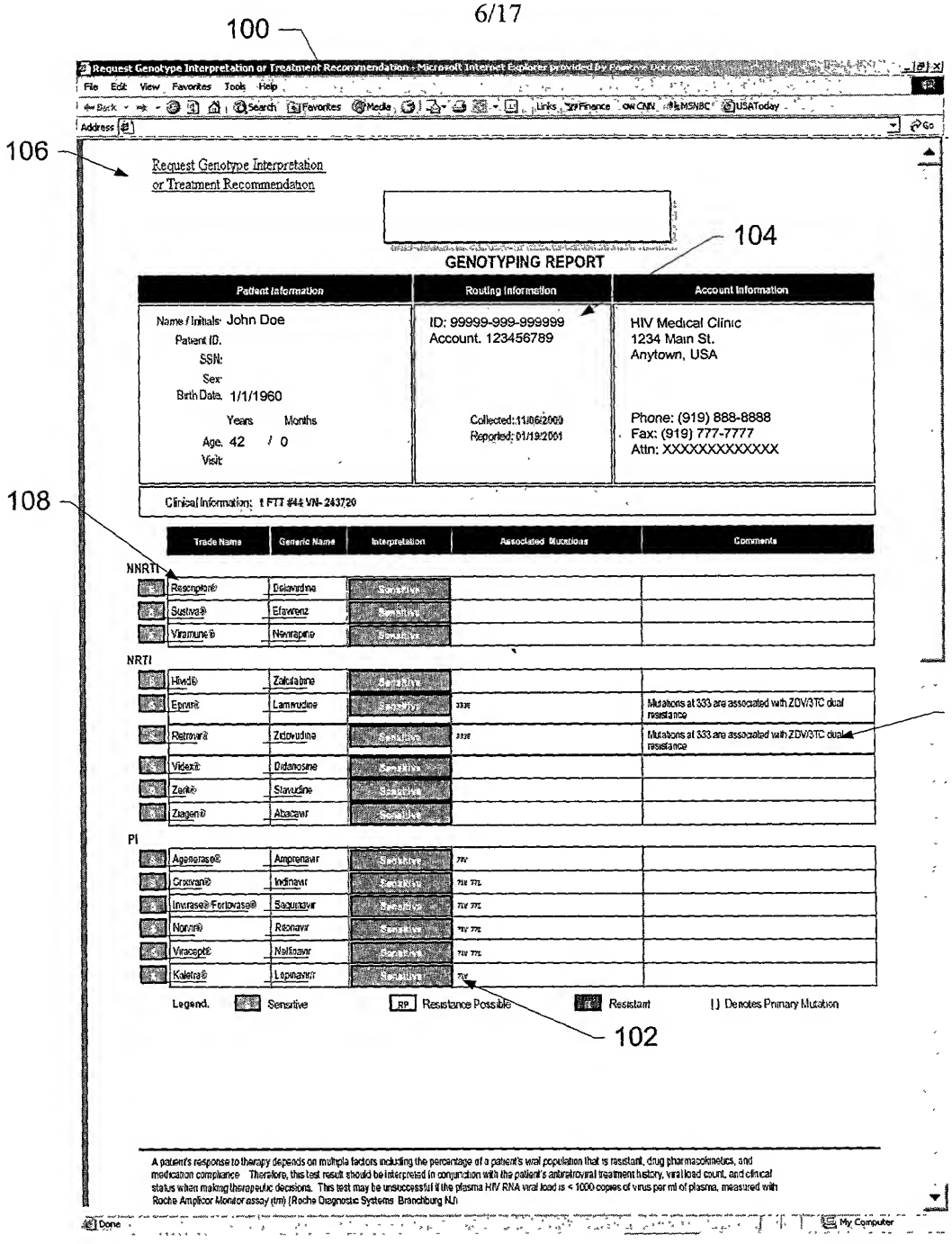
100
106
Request Genotype Interpretation or Treatment Recommendation
104
GENOTYPING REPORT
Patient Information
Routing Information
Account Information
Name / Initials: John Doe
Patient ID.
SSN:
Sex:
Birth Date: 1/1/1960
Years Months
Age: 42 / 0
Visit:
ID: 99999-999-999999
Account: 123456789
Collected: 11/06/2009
Reported: 01/19/2001
HIV Medical Clinic
1234 Main St.
Anytown, USA
Phone: (919) 888-8888
Fax: (919) 777-7777
Attn: XXXXXXXXXXXX
108
Clinical Information: t FTT #44 VN- 243720
Trade Name
Generic Name
Interpretation
Associated Mutations
Comments
NNRTI
Rescriptor®
Delavirdine
Sustiva®
Efavirenz
Viramune®
Nevirapine
NRTI
Hivid®
Zalcitabine
Epivir®
Lamivudine
Retrovir®
Zidovudine
Mutations at 333 are associated with ZDV/3TC dual resistance
102
Videx®
Didanosine
Zerit®
Stavudine
Ziagen®
Abacavir
PI
Agenerase®
Amprenavir
Crixivan®
Indinavir
Invirase® Fortovase®
Saquinavir
Norvir®
Ritonavir
Viracept®
Nelfinavir
Kaletra®
Lopinavir
Legend.
Sensitive
RP
Resistance Possible
Resistant
( ) Denotes Primary Mutation
102
A patient's response to therapy depends on multiple factors including the percentage of a patient's viral population that is resistant, drug pharmacokinetics, and medication compliance. Therefore, this test result should be interpreted in conjunction with the patient's antiretroviral treatment history, viral load count, and clinical status when making therapeutic decisions. This test may be unsuccessful if the plasma HIV RNA viral load is < 1000 copies of virus per ml of plasma, measured with Roche Amplicor Monitor assay (tm) (Roche Diagnostic Systems, Branchburg NJ)
Done
My Computer

FIG. 7.

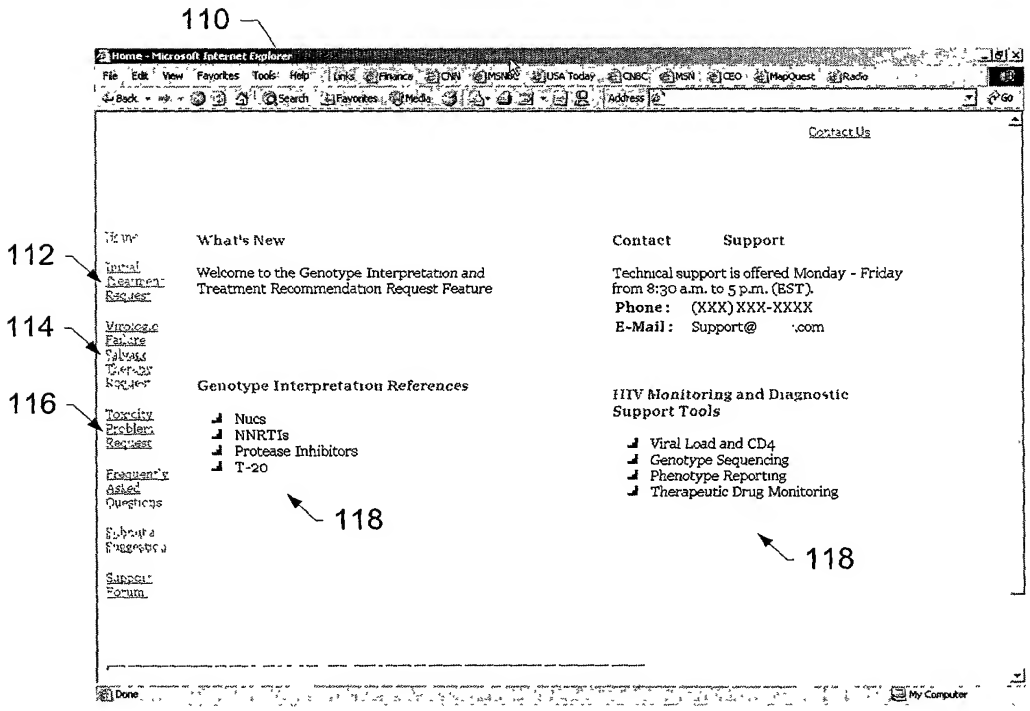

FIG. 8.

ADOBE 2004

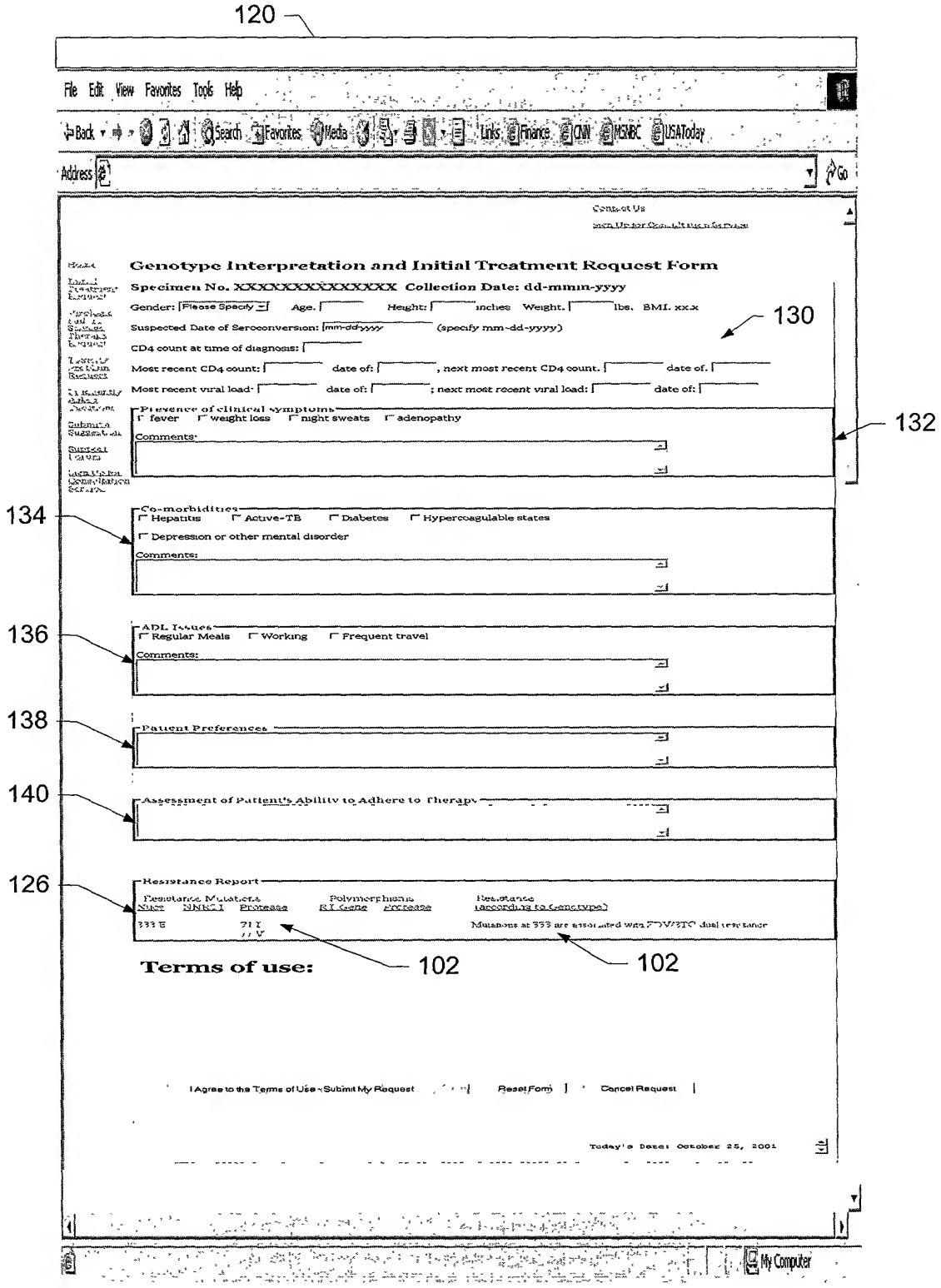
120
File Edit View Favorites Tools Help
Back Search Favorites Media Links Finance CNN MSNBC USATODAY
Address
Genotype Interpretation and Initial Treatment Request Form
Specimen No. XXXXXXXXXXXXXX Collection Date: dd-mmm-yyyy
Gender: Please Specify Age. Height: inches Weight. lbs. BMI. xx.x
130
Suspected Date of Seroconversion: mm-dd-yyyy (specify mm-dd-yyyy)
CD4 count at time of diagnosis:
Most recent CD4 count: date of: , next most recent CD4 count. date of.
Most recent viral load: date of: ; next most recent viral load: date of:
Presence of clinical symptoms
fever weight loss night sweats adenopathy
Comments:
132
Co-morbidities
Hepatitis Active-TB Diabetes Hypercoagulable states
Depression or other mental disorder
Comments:
134
ADL Issues
Regular Meals Working Frequent travel
Comments:
136
Patient Preferences
138
Assessment of Patient's Ability to Adhere to Therapy
140
Resistance Report
Resistance Mutations
NRTI
Protease
Polymorphisms
RT Gene
Protease
Resistance
(according to genotype)
126
Terms of use:
102
102
I Agree to the Terms of Use - Submit My Request
Reset Form
Cancel Request
Today's Date: October 25, 2001
My Computer

FIG. 9.

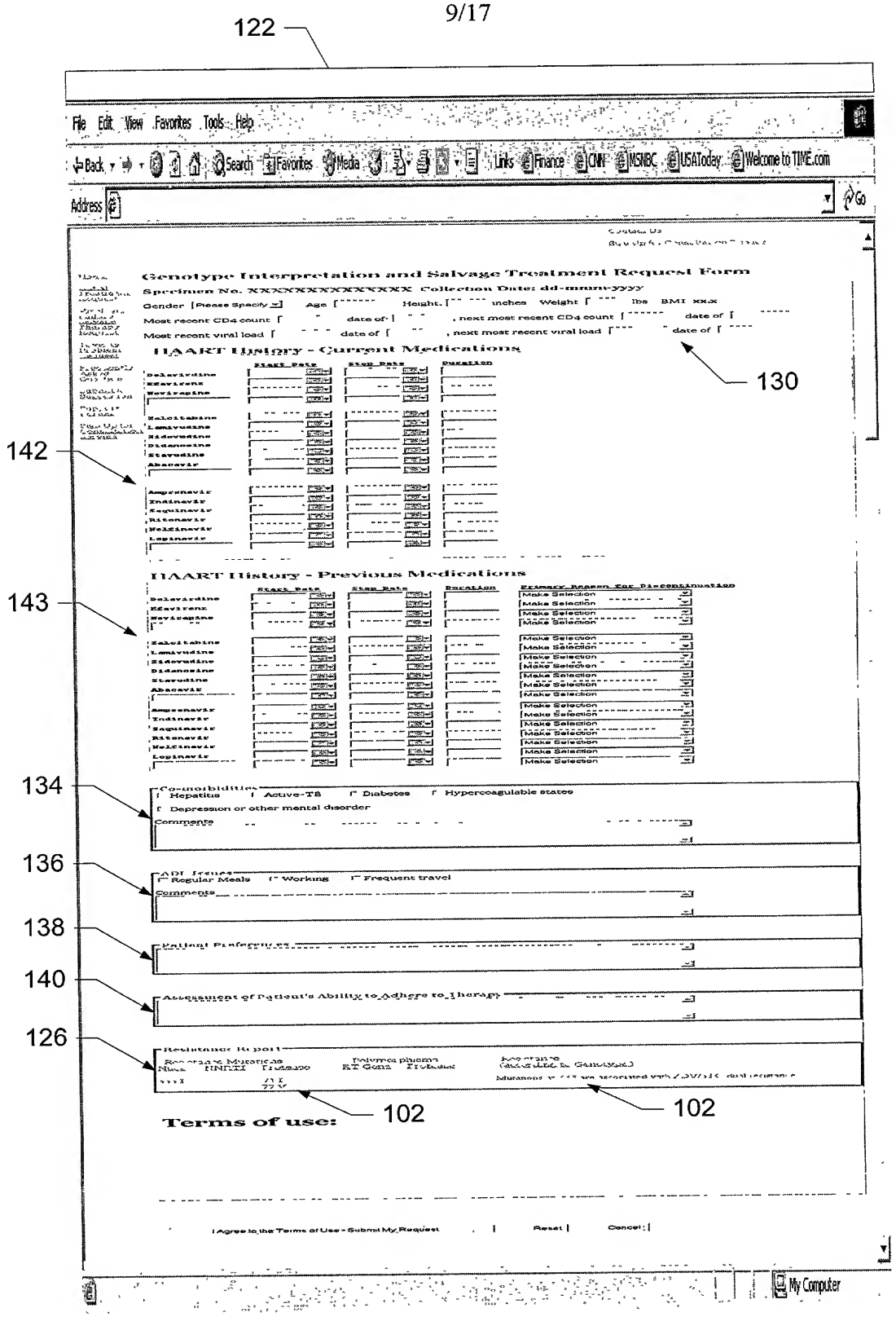
122
File Edit View Favorites Tools Help
Genotype Interpretation and Salvage Treatment Request Form
HAART History - Current Medications
130
142
HAART History - Previous Medications
143
134
136
138
140
126
Terms of use:
102
102
I Agree to the Terms of Use - Submit My Request
Reset
Cancel
My Computer

FIG. 10.

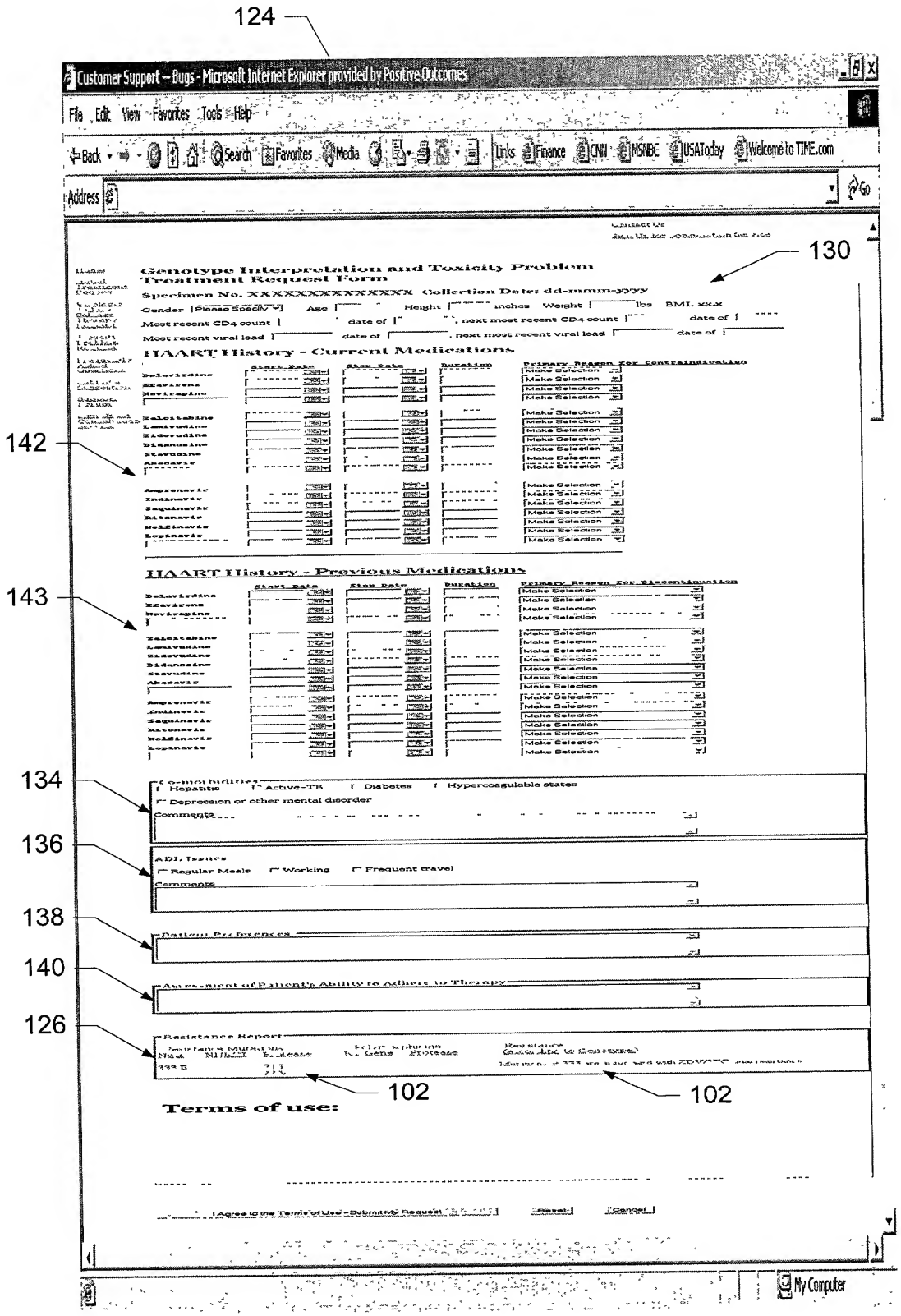
124
Customer Support – Bugs - Microsoft Internet Explorer provided by Positive Outcomes
File Edit View Favorites Tools Help
Back Search Favorites Media Links Finance CNN MSNBC USAToday Welcome to TIME.com
Address
Go
130
Genotype Interpretation and Toxicity Problem Treatment Request Form
Specimen No. XXXXXXXXXXXXX Collection Date: dd-mmm-yyyy
Gender [Please Specify] Age Height inches Weight lbs BMI: xxx
Most recent CD4 count date of , next most recent CD4 count date of
Most recent viral load date of , next most recent viral load date of
HAART History - Current Medications
Start Date Stop Date Duration Primary Reason for Discontinuation
Delavirdine Efavirenz Nevirapine
Zalcitabine Lamivudine Zidovudine Didanosine Stavudine Abacavir
Amprenavir Indinavir Saquinavir Ritonavir Nelfinavir Lopinavir
Make Selection
142
HAART History - Previous Medications
143
Hepatitis Active-TB Diabetes Hypercoagulable states
Depression or other mental disorder
Comments
134
ADL Issues
Regular Meals Working Frequent travel
Comments
136
Patient Preferences
138
Assessment of Patient's Ability to Adhere to Therapy
140
Resistance Report
126
102
102
Terms of use:
I Agree to the Terms of Use - Submit My Request
Reset
Cancel
My Computer

FIG. 11.

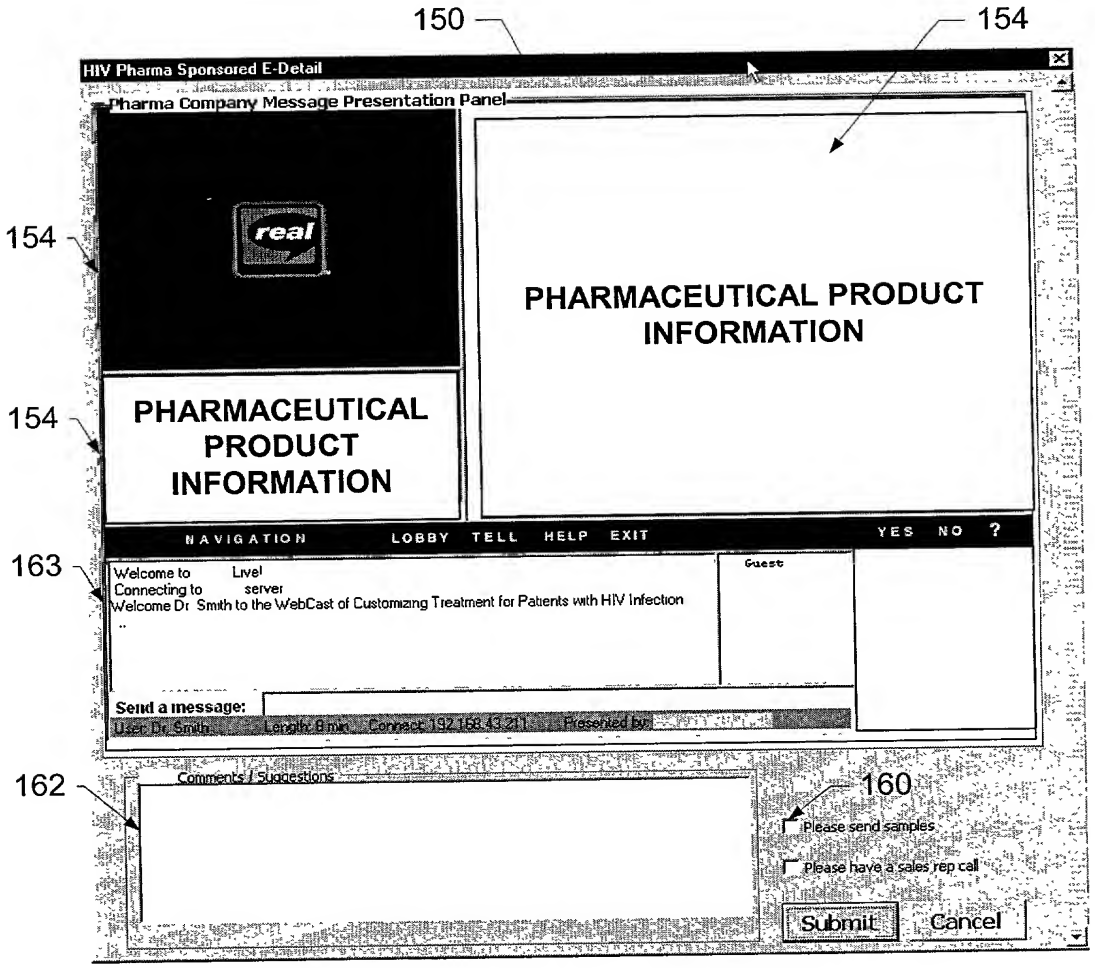
150
154
HIV Pharma Sponsored E-Detail
Pharma Company Message Presentation Panel
real
PHARMACEUTICAL PRODUCT INFORMATION
154
PHARMACEUTICAL PRODUCT INFORMATION
154
NAVIGATION
LOBBY
TELL
HELP
EXIT
YES
NO
?
163
Welcome to Live!
Connecting to server
Welcome Dr Smith to the WebCast of Customizing Treatment for Patients with HIV Infection
Guest
Send a message:
User: Dr. Smith
Length: 6 min
Connect: 192.168.43.211
Presented by:
162
Comments / Suggestions
160
Please send samples
Please have a sales rep call
Submit
Cancel

FIG. 12.

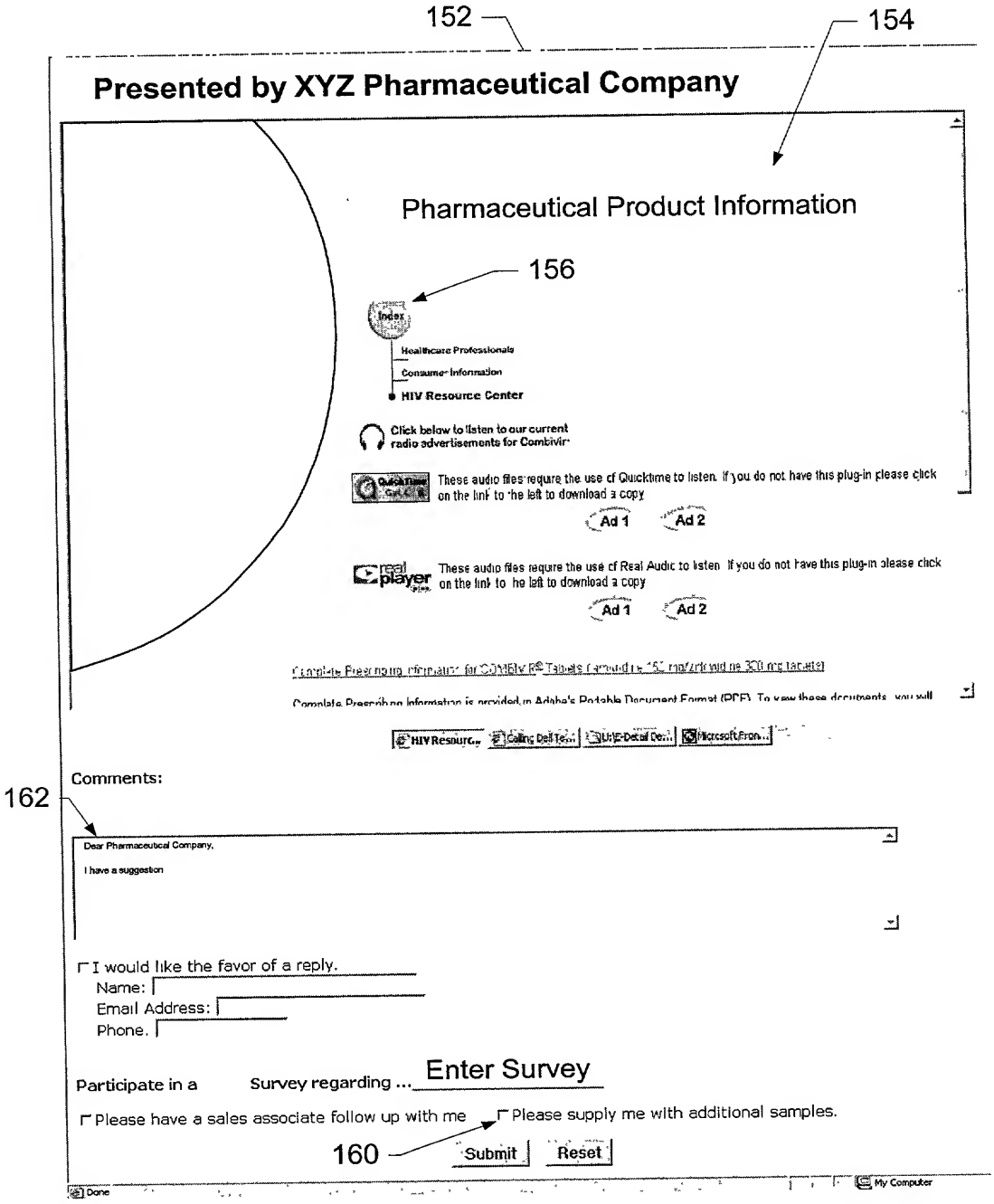
152
154
Presented by XYZ Pharmaceutical Company
Pharmaceutical Product Information
156
Index
Healthcare Professionals
Consumer Information
HIV Resource Center
Click below to listen to our current radio advertisements for Combivir
These audio files require the use of Quicktime to listen. If you do not have this plug-in please click on the link to the left to download a copy
Ad 1
Ad 2
These audio files require the use of Real Audio to listen. If you do not have this plug-in please click on the link to the left to download a copy
Ad 1
Ad 2
Comments:
162
Dear Pharmaceutical Company,
I have a suggestion
I would like the favor of a reply.
Name:
Email Address:
Phone.
Participate in a Survey regarding ... Enter Survey
Please have a sales associate follow up with me
Please supply me with additional samples.
160
Submit
Reset
Done
My Computer

FIG. 13.

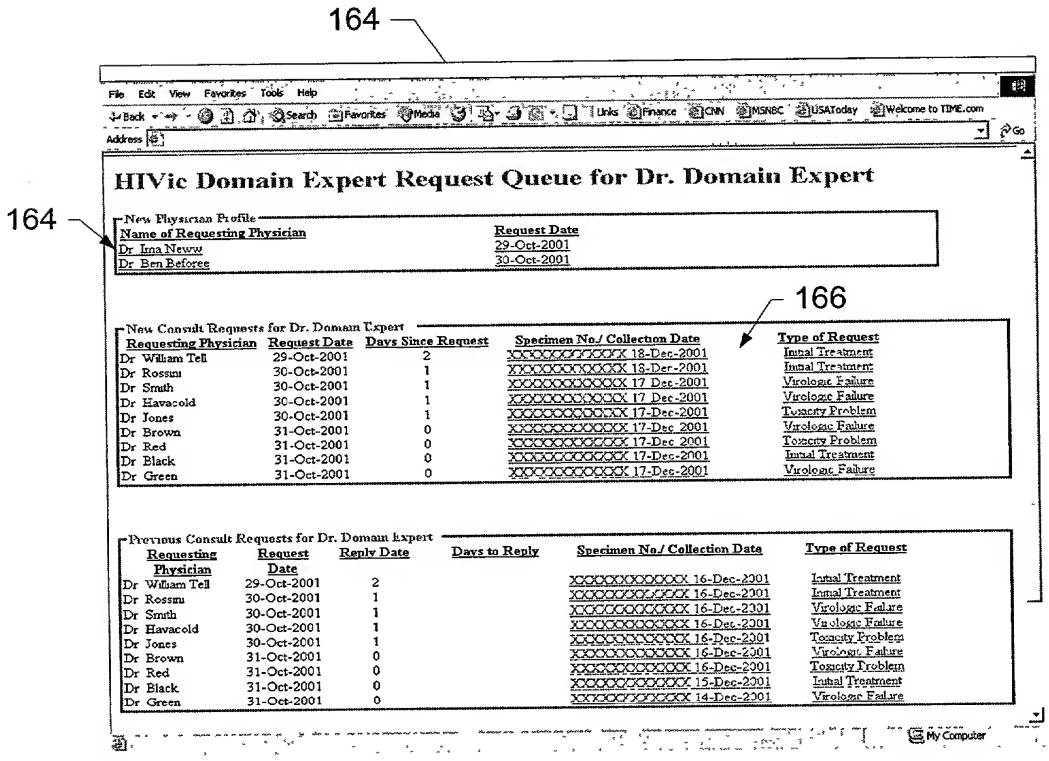
164
164
166
HIVic Domain Expert Request Queue for Dr. Domain Expert
New Physician Profile
Name of Requesting Physician
Request Date
Dr. Ina Neww
29-Oct-2001
Dr. Ben Beforee
30-Oct-2001
New Consult Requests for Dr. Domain Expert
Requesting Physician
Request Date
Days Since Request
Specimen No./ Collection Date
Type of Request
Dr William Tell
29-Oct-2001
2
XXXXXXXXXXXX 18-Dec-2001
Initial Treatment
Dr Rossm
30-Oct-2001
1
XXXXXXXXXXXX 18-Dec-2001
Initial Treatment
Dr Smith
30-Oct-2001
1
XXXXXXXXXXXX 17-Dec-2001
Virologic Failure
Dr Havacold
30-Oct-2001
1
XXXXXXXXXXXX 17-Dec-2001
Virologic Failure
Dr Jones
30-Oct-2001
1
XXXXXXXXXXXX 17-Dec-2001
Toxicity Problem
Dr Brown
31-Oct-2001
0
XXXXXXXXXXXX 17-Dec-2001
Virologic Failure
Dr Red
31-Oct-2001
0
XXXXXXXXXXXX 17-Dec-2001
Toxicity Problem
Dr Black
31-Oct-2001
0
XXXXXXXXXXXX 17-Dec-2001
Initial Treatment
Dr Green
31-Oct-2001
0
XXXXXXXXXXXX 17-Dec-2001
Virologic Failure
Previous Consult Requests for Dr. Domain Expert
Requesting Physician
Request Date
Reply Date
Days to Reply
Specimen No./ Collection Date
Type of Request
Dr William Tell
29-Oct-2001
2
XXXXXXXXXXXX 16-Dec-2001
Initial Treatment
Dr Rossm
30-Oct-2001
1
XXXXXXXXXXXX 16-Dec-2001
Initial Treatment
Dr Smith
30-Oct-2001
1
XXXXXXXXXXXX 16-Dec-2001
Virologic Failure
Dr Havacold
30-Oct-2001
1
XXXXXXXXXXXX 16-Dec-2001
Virologic Failure
Dr Jones
30-Oct-2001
1
XXXXXXXXXXXX 16-Dec-2001
Toxicity Problem
Dr Brown
31-Oct-2001
0
XXXXXXXXXXXX 16-Dec-2001
Virologic Failure
Dr Red
31-Oct-2001
0
XXXXXXXXXXXX 16-Dec-2001
Toxicity Problem
Dr Black
31-Oct-2001
0
XXXXXXXXXXXX 15-Dec-2001
Initial Treatment
Dr Green
31-Oct-2001
0
XXXXXXXXXXXX 14-Dec-2001
Virologic Failure

FIG. 14.

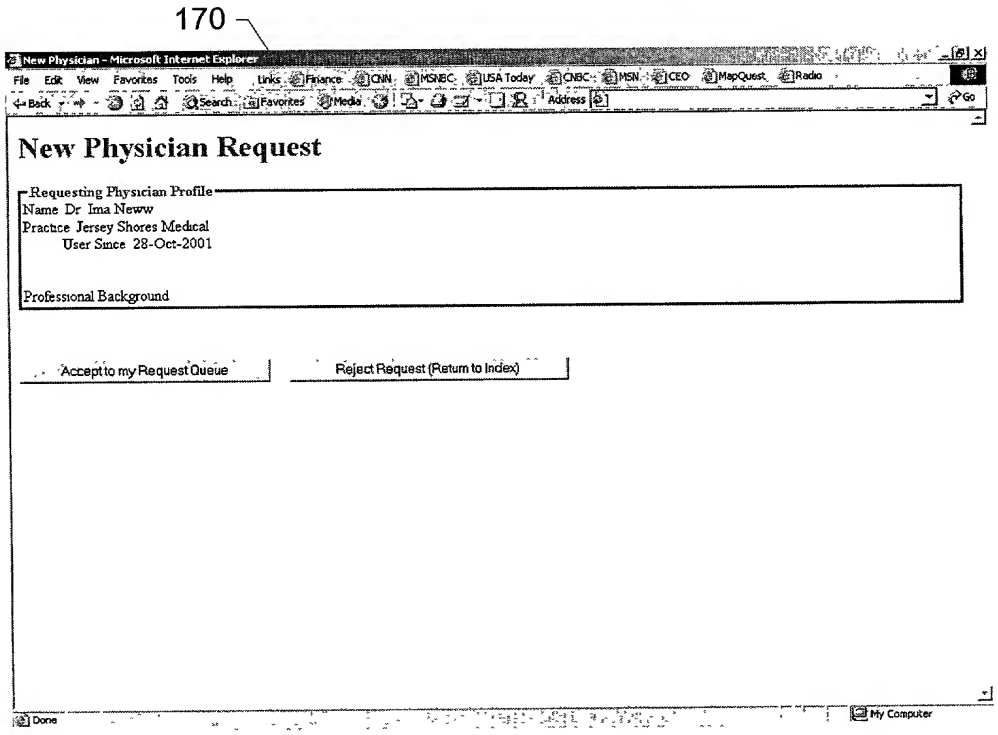

FIG. 15.

Electronic Patent Application

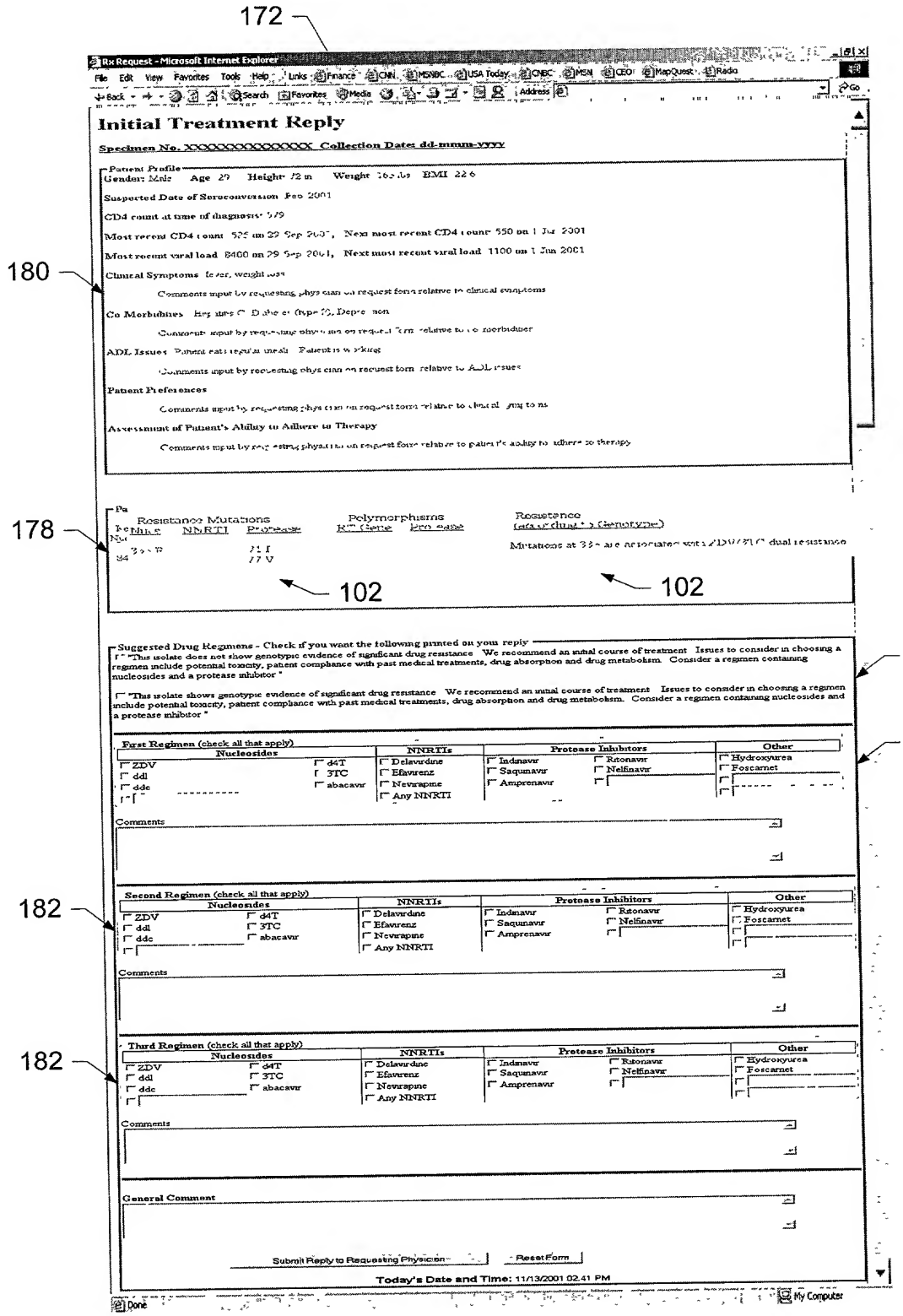
172
Rx Request - Microsoft Internet Explorer
Initial Treatment Reply
Specimen No. XXXXXXXXXXXXXX Collection Date: dd-mmm-yyyy
Patient Profile
Gender: Male Age 29 Height 72 in Weight 165 lbs BMI 22.6
Suspected Date of Seroconversion Feb 2001
CD4 count at time of diagnosis: 579
Most recent CD4 count 525 on 29 Sep 2001, Next most recent CD4 count 550 on 1 Jul 2001
Most recent viral load 8400 on 29 Sep 2001, Next most recent viral load 1100 on 1 Jun 2001
Clinical Symptoms fever, weight loss
Co Morbidities Hepatitis C, Diabetes (type 2), Depression
ADL Issues Patient eats regular meals, Patient is working
Patient Preferences
Assessment of Patient's Ability to Adhere to Therapy
180
178
Resistance Mutations
Polymorphisms
Resistance
102
102
Suggested Drug Regimens - Check if you want the following printed on you reply
"This isolate does not show genotypic evidence of significant drug resistance. We recommend an initial course of treatment. Issues to consider in choosing a regimen include potential toxicity, patient compliance with past medical treatments, drug absorption and drug metabolism. Consider a regimen containing nucleosides and a protease inhibitor."
"This isolate shows genotypic evidence of significant drug resistance. We recommend an initial course of treatment. Issues to consider in choosing a regimen include potential toxicity, patient compliance with past medical treatments, drug absorption and drug metabolism. Consider a regimen containing nucleosides and a protease inhibitor."
184
First Regimen (check all that apply)
Second Regimen (check all that apply)
Third Regimen (check all that apply)
Nucleosides
NNRTIs
Protease Inhibitors
Other
ZDV
ddI
ddc
d4T
3TC
abacavir
Delavirdine
Efavirenz
Nevirapine
Any NNRTI
Indinavir
Saquinavir
Amprenavir
Ritonavir
Nelfinavir
Hydroxyurea
Foscarnet
182
182
182
Comments
General Comment
Submit Reply to Requesting Physician
Reset Form
Today's Date and Time: 11/13/2001 02:41 PM
Done
My Computer

FIG. 16.

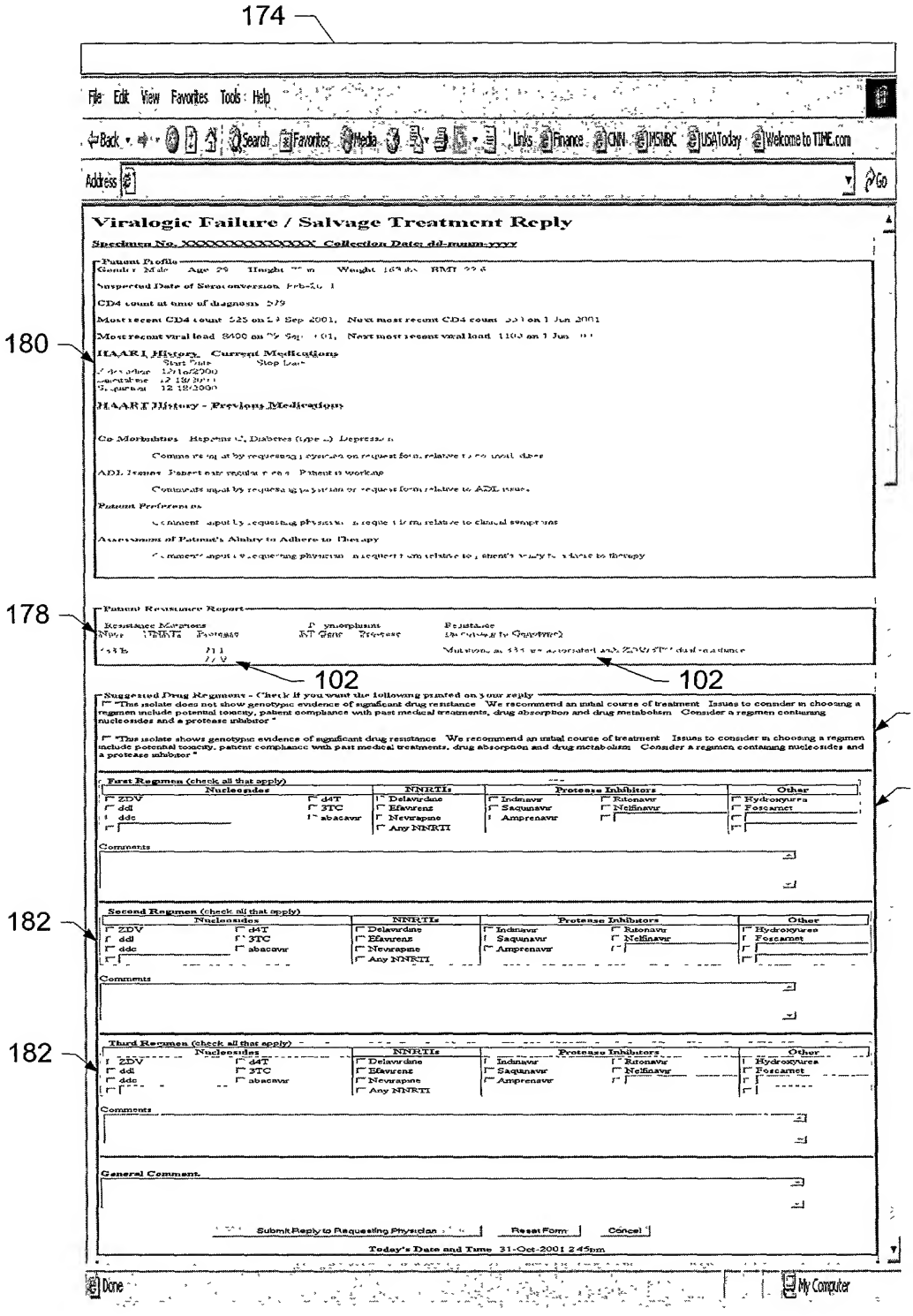
174
180
178
102
102
184
182
182
182
File Edit View Favorites Tools Help
Back Search Favorites Media Links Finance CNN MSNBC USA Today Welcome to TIME.com
Address
Go
Viralogic Failure / Salvage Treatment Reply
Specimen No. XXXXXXXXXXXXXX Collection Date: dd-mmm-yyyy
Patient Profile
HAART History Current Medications
Start Date
Stop Date
HAART History - Previous Medications
Co-Morbidities
ADL Issues
Patient Preferences
Assessment of Patient's Ability to Adhere to Therapy
Patient Resistance Report
Resistance Mutations
Suggested Drug Regimens - Check if you want the following printed on your reply
"The isolate does not show genotypic evidence of significant drug resistance. We recommend an initial course of treatment. Issues to consider in choosing a regimen include potential toxicity, patient compliance with past medical treatments, drug absorption and drug metabolism. Consider a regimen containing nucleosides and a protease inhibitor."
"This isolate shows genotypic evidence of significant drug resistance. We recommend an initial course of treatment. Issues to consider in choosing a regimen include potential toxicity, patient compliance with past medical treatments, drug absorption and drug metabolism. Consider a regimen containing nucleosides and a protease inhibitor."
First Regimen (check all that apply)
Second Regimen (check all that apply)
Third Regimen (check all that apply)
Nucleosides
NNRTIs
Protease Inhibitors
Other
ZDV
ddI
ddc
d4T
3TC
abacavir
Delavirdine
Efavirenz
Nevirapine
Any NNRTI
Indinavir
Saquinavir
Amprenavir
Ritonavir
Nelfinavir
Hydroxyurea
Foscarnet
Comments
General Comment
Submit Reply to Requesting Physician
Reset Form
Cancel
Today's Date and Time 31-Oct-2001 2:45pm
Done
My Computer

FIG. 17.

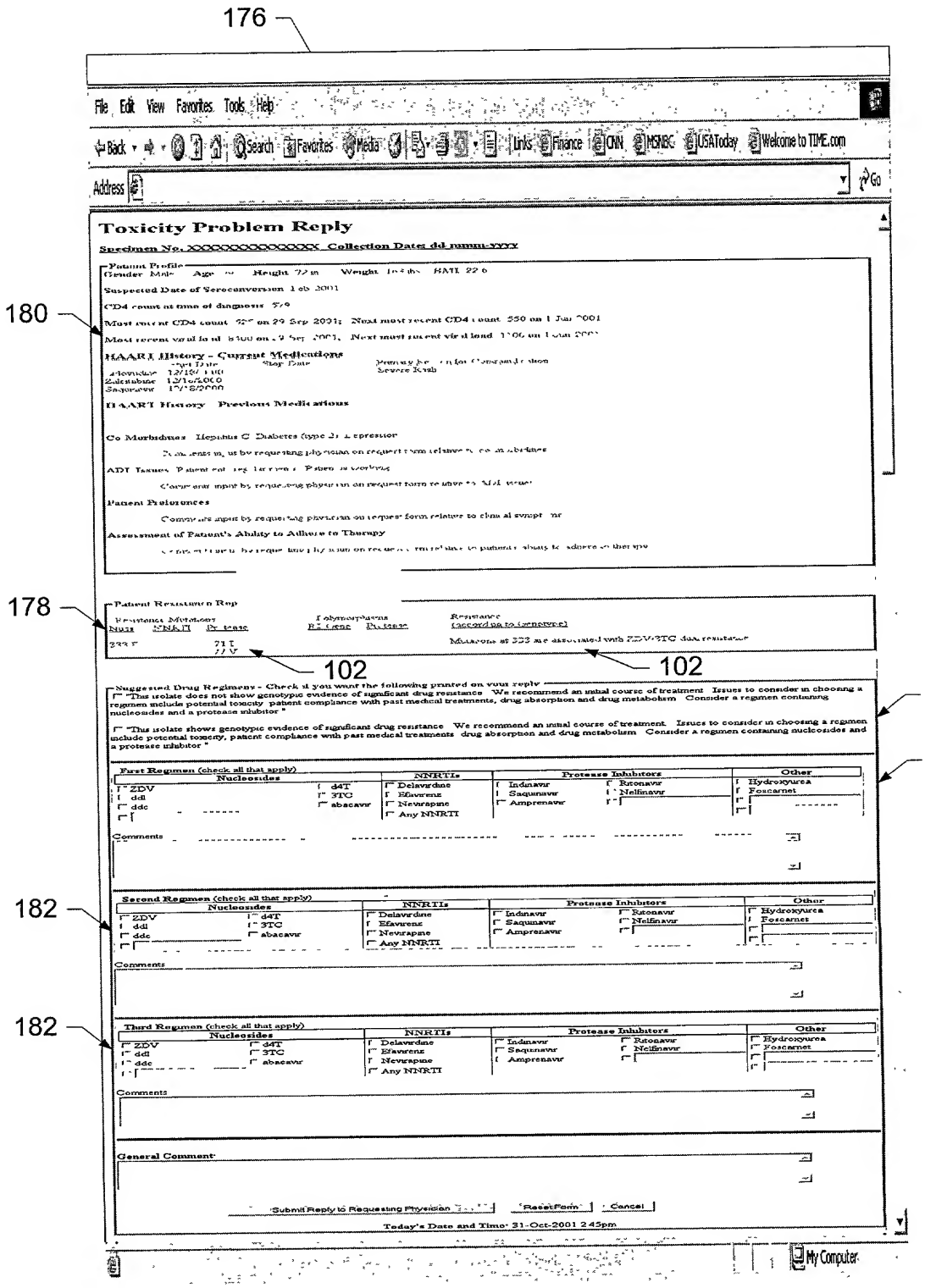
176
180
178
102
102
184
182
182
182
Toxicity Problem Reply
Patient Profile
Patient Resistance Rep
Suggested Drug Regimens - Check if you want the following printed on your reply
First Regimen (check all that apply)
Second Regimen (check all that apply)
Third Regimen (check all that apply)
Nucleosides
NNRTIs
Protease Inhibitors
Other
ZDV
ddI
ddC
d4T
3TC
abacavir
Delavirdine
Efavirenz
Nevirapine
Any NNRTI
Indinavir
Saquinavir
Amprenavir
Ritonavir
Nelfinavir
Hydroxyurea
Foscarnet
Comments
General Comment
Submit Reply to Requesting Physician
Reset Form
Cancel
Today's Date and Time: 31-Oct-2001 2:45pm
My Computer

FIG. 18.